

**REMARKS**

Claims 1-22 were presented for examination in the present application and remain pending upon entry of the instant amendment. Claims 1 and 10 are independent.

Claim 22 was rejected under 35 U.S.C. §112, second paragraph and 35 U.S.C. §101. Claim 22 has been amended to obviate these rejections. Specifically, claim 22 now recites "a transmission system according to claim 19", where "the transmission system is configured for use in a field selected from the group consisting of building control technology, process industry, manufacturing industry, passenger transportation, and operation of an automation plant". Accordingly, reconsideration and withdrawal are requested.

Claims 7 and 8 have been amended to depend from claim 1, while claims 13 and 14 have been amended to clarify translation errors.

Independent claim 1, as well as dependent claims 2-9, were rejected under 35 U.S.C. §103 over U.S. Patent No. 6,516,425 to Tsunoda et al. (Tsunoda).

Applicant respectfully traverses this rejection.

Specifically, the Office Action acknowledges that Tsunoda fails to disclose that the data is security relevant data, but rather asserts that it would be obvious for the data to be security relevant data. Applicant traverses this assertion.

Tsunoda is directed to a code transmission scheme for communication systems using error correcting codes. In contrast, claim 1 is directed to a process for the packet-oriented transmission of security-relevant data.

Applicant submits that one skilled in the art looking to resolve problems in

packet-oriented transmission of security-relevant data simply would not look to error correcting systems as in Tsunoda. For example, the error correcting systems as in Tsunoda require additional time to the system communications and often require retransmission in the event that the transmitted information can not be recovered at the receiving side. In contrast, the packet-oriented transmission of security-relevant data requires real time reaction in order to carry out safety based functions. Thus, one skilled in the art looking to improve packet-oriented transmission of security-relevant data simply would not look to the error correcting systems of Tsunoda.

Notwithstanding the above, claim 1 has been clarified to state that the redundant information is "based on the security-relevant data of a respective one packet". Further, claim 1 has been clarified to recite that "the security-relevant data and each of the respective redundant information based on the security-relevant data of the respective one packet is transmitted in a separate packet".

In contrast, Tsunoda teaches generating packets that have redundant parts by generating the redundant parts of each of packets on the basis of a plurality of packets having the information to be transmitted.

In sum, Tsunoda teaches a redundant package that includes information from a plurality of different packets of information, whereas clarified claim 1 recites that the redundant information is "based on the security-relevant data of a respective one packet".

Therefore, Applicants submit that claim 1, as well as claims 2-9 that depend therefrom, are not disclosed or suggested by Tsunoda. Reconsideration and withdrawal of the rejections to claims 1-9 are respectfully requested.

Independent claim 10, as well as dependent claims 11-22, were rejected under 35 U.S.C. §103 over U.S. Patent No. 5,608,738 to Matsushita et al. (Matsushita).

Applicant respectfully traverses this rejection.

Specifically, the Office Action also acknowledges that Matsushita fails to disclose that the data is security relevant data, but rather asserts that it would be obvious for the data to be security relevant data. Applicant traverses this assertion.

Matsushita (similar to Tsunoda discussed above) is directed to a code transmission scheme for communication systems using error correcting codes. In contrast, claim 10 is directed to a device for a transmission system for the packet-oriented transmission of security-relevant data.

Applicant submits that one skilled in the art looking to resolve problems in packet-oriented transmission of security-relevant data simply would not look to error correcting systems as in Matsushita. Again, the error correcting systems as in Matsushita (as in Tsunoda discussed above) require additional time to the system communications and often require retransmission in the event that the transmitted information can not be recovered at the receiving side. In contrast, the packet-oriented transmission of security-relevant data requires real time reaction in order to carry out safety based functions. Thus, one skilled in the art looking to improve packet-oriented transmission of security-relevant data simply would not look to the error correcting systems of Matsushita.

Notwithstanding the above, claim 10 has been amended to clarify that the means embeds "allocated redundant information respectively based on the security relevant data of a respective one packet into a separate packet".

In contrast, Matsushita (again similar to Tsunoda discussed above) teaches generating packets that have redundant parts by generating the redundant parts of each of packets on the basis of a plurality of packets having the information to be transmitted.

In sum, Matsushita teaches a redundant package that includes information from

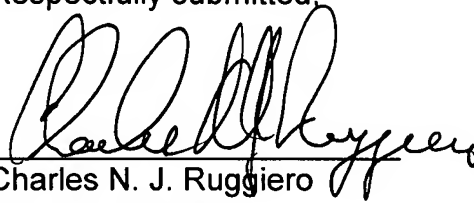
a plurality of different packets of information, whereas clarified claim 10 recites that the claimed means embeds redundant information that is "based on the security-relevant data of a respective one packet".

Therefore, Applicants submit that claim 10, as well as claims 11-22 that depend therefrom, are not disclosed or suggested by Matsushita. Reconsideration and withdrawal of the rejections to claims 10-22 are respectfully requested.

In view of the above, it is respectfully submitted that the present application is in condition for allowance. Such action is solicited.

If for any reason the Examiner feels that consultation with Applicant's attorney would be helpful in the advancement of the prosecution, the Examiner is invited to call the telephone number below.

Respectfully submitted,



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